



For your calendar

August 1, 2013



Nature, Nurture *or Neither?*

The New Science of Epigenetics



August talk on Nature, Nurture or Neither: The New Science of Epigenetics

Is our behavior and physical appearance hardwired by our DNA, or a product of our environment? New advances in molecular biology are providing a third option to the age-old debate of “Nature versus Nurture.” While DNA is often considered the blueprint of life, environmental factors can affect genes for more than three generations (mother, child, grandchild, and great-grandchild). This heritable switching on and off of genes is called “epigenetics,” and has been associated with diet, exercise, mate preference, depression, autism, eating disorders and response to abuse. In this lecture, Dr. Sanbonmatsu will discuss the new science of epigenetics and how it relates to a wide range of biological phenomena, from plant growth to how newborn mammals handle stress.

The talks are free and open to the public. No reservations are required.

Tuesday, August 13 at 7 p.m. New Mexico Museum of Natural History and Science 1801 Mountain Road NW, Albuquerque

Thursday, August 15 at 7 p.m. Nick L. Salazar Center for the Arts Northern New Mexico College 921 Paseo de Oñate, Española

Tuesday, August 20 at 7 p.m. Duane W. Smith Auditorium Los Alamos High School, Los Alamos

Thursday, August 22 at 7 p.m. James A. Little Theater New Mexico School for the Deaf 1060 Cerrillos Road, Santa Fe

For more information, call (505) 665-9196 or email anderman@lanl.gov.

Lab 70th Anniversary talk in August on Manhattan Project ordnance expert and former Lab associate director

Retired Lab historian Roger Meade will give a talk on Captain William S. “Deak” Parsons on Wednesday, August 14 at 5:30 p.m. Parsons was an important member of the Manhattan Project, serving as its ordnance expert and was the weaponeer for the Enola Gay.

The talk will be held at the Bradbury Science Museum, 1350 Central Avenue in Los Alamos. It is free and open to the public with seating on a first-come, first serve basis.

For more information on the museum and directions on how to get there, visit its [website](#).

Brown bag lecture on Norris Bradbury, the later years

He has been called the “savior” of Los Alamos. He has been called the “architect” of the modern Laboratory. He has been called the “father” of the federal laboratory system. Although the Laboratory’s museum bears his name, few visitors have ever heard of Norris Bradbury. The Lab’s current historian, Alan B. Carr, will discuss Bradbury’s life, career and the evolution of the postwar Laboratory in this lecture on Wednesday, August 21 from noon to 1 p.m.

The talk is free and open to the public. For more information on this and other talks and events at the museum go to its [website](#).

Robotics Night at the Bradbury Science Museum

Those with an interest in robots should plan to attend the Bradbury Science Museum’s event on Friday, August 23 from 5 to 8 p.m. There will be lots of robots to look at and play with and an opportunity to talk with like-minded collectors and creators. Have fun while you try your hand at an obstacle course, throw a flying disc and get a chance to view up close the robot used by the Lab’s bomb squad. Also attending will be the local FIRST LEGO league with their Mindstorms robots. A great time for those of all ages.

For more information, visit the museum’s [website](#).

Los Alamos MainStreet hosts “The Next Big Idea” on September 14

Each year, to highlight Los Alamos’ unique, creative and scientific heritage, Los Alamos MainStreet hosts “The Next Big Idea” as a “Festival of Discovery, Invention, and Innovation.” While registration for exhibitors is still in progress, the Lab’s Bradbury Science Museum will play a role again this year with a display on reverse engineering. During the event, visitors will get to dismantle one of a number of donated items to see how they originally fit together. The Next Big Idea is scheduled for Saturday, September 14 at Fuller Lodge and on its lawn from 11 a.m. to 3 p.m. with musical groups playing from 1 to 6 p.m.

The night before The Next Big Idea (September 13), a STEM Student Day will take place for children in the 7th through 11th grades from 4 to 6:30 p.m. at the Lab’s Bradbury Science Museum. There are a total of 80 spots available for this program and [registration is required](#).

For more information on this year’s event, go to its [website](#).

Renewable Energy Institute course in October

Employees or owners of eligible small businesses in New Mexico can learn key concepts of renewable energy development for wind and solar resources during an upcoming course. The three-day course will cover such subjects as using metered data to assess project feasibility, renewable energy pricing, federal policies, pitfalls and hurdles and even proposal presentation skills. The course is funded through the New Mexico Small Business Assistance (NMSBA) program and is free to participants with each day running from 9 a.m. through approximately 4 p.m. each day.

October 12, 19 and 26, 2013 Albuquerque, NM – UNM Anderson School of Management

The [New Mexico Green Chamber of Commerce](#) sponsors the course.

Los Alamos and Sandia national laboratories support regional economic development through the NMSBA. For more information on the NMSBA and its resources for small businesses, go to its [website](#).

NMSBA is operated by Los Alamos and Sandia national laboratories to support regional economic development. For more information on NMSBA and its resources for small businesses, go to its [website](#).

Los Alamos National Laboratory

www.lanl.gov

(505) 667-7000

Los Alamos, NM

Operated by Los Alamos National Security, LLC for the Department of Energy's NNSA

